



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090560

**Mode:** Highway

**Status:** Submitted

### US-15, US-501 (Hillsboro Street)

**From/Cross Street:** Launis Street

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** Powell Place

**Project Category:** Regional Impact

**Length:** 1.37

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$6,419,000

#### Description:

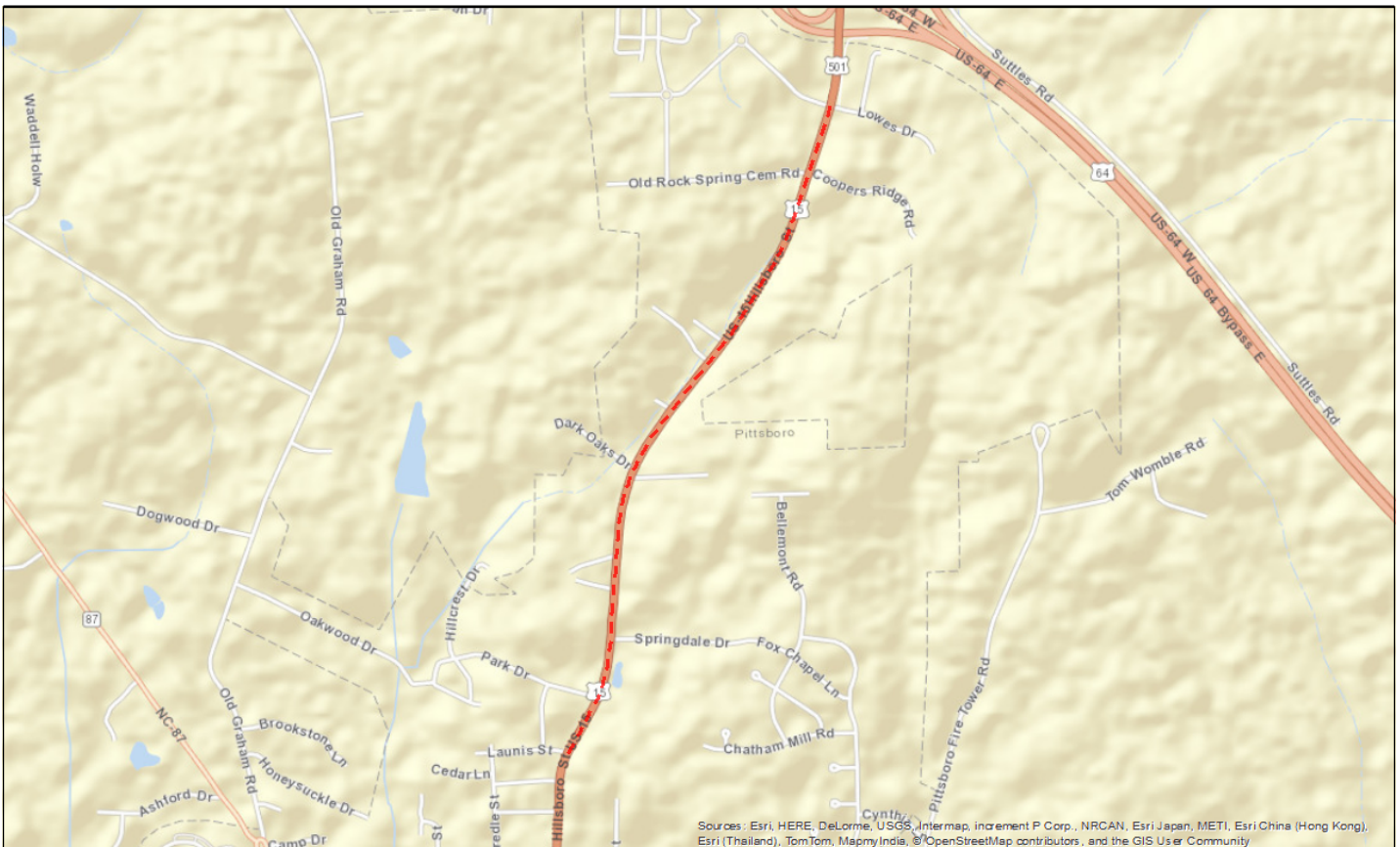
Widening to Provide Continuous Turn Lane, Curb, Gutter, Bike Lanes, and Sidewalks

**Division(s):** Division 8

**County(s):** CHATHAM

**MPOS(s)/RPO(s):** Triangle Area RPO

#### Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 34.17**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 61.64	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%) 21.38		
[Travel Time] Benefit/Cost (25%) 1.32		
Accessibility / Connectivity (10%) 12.90		
<b>Totals: Weight: 70% Weighted Score: 19.17</b>		

**Division Needs Total Score: 64.73**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 61.64	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%) 21.38		
[Travel Time] Benefit/Cost (20%) 1.32		
<b>Totals: Weight: 50% Weighted Score: 14.73</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	43
Length (miles):	1.37
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	14686.46
Capacity:	15800.66
Volume/Capacity Ratio:	0.93
% Autos:	96%
% Trucks:	4%
Truck Volume:	637.37
Crash Density:	27.49
Crash Severity:	9.16
Critical Crash Rate:	27.49
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	71
Actual Congested Speed:	33
Travel Time Index:	1.31

**Project Benefits**

Project Cross-Section:	3B - 2 Lane with Two Way Left Turn Lane, Curb & Gutter, and Sidewalks
Speed Limit:	45
Length (miles):	1.37
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	379505.48
Travel Time Savings for 30 Years (Autos):	363035.6
Travel Time Savings for 30 Years (Trucks):	16469.88
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 8	100%	0	100
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>100</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Triangle Area RPO	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$6,156,000	TIP Unit
Right-of-Way Cost:	\$235,000	Cost Estimation Tool
Utilities Cost:	\$28,000	Cost Estimation Tool
Total Project Cost:	\$6,419,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$6,419,000</b>	